



Customer information packet

EM2558T-4

150HP, 1780RPM, 3PH, 60HZ, 444T, 1868M, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
Frame	444T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	150.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	170.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	170.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44062M
Mounting Arrangement	F1

Part detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG2176
Layout	617428-042
Eff. date	12-10-2025
CD Diagram	416820-008
Poles	04
Leads	6#2
Proprietary	False
Created date	09-08-2015

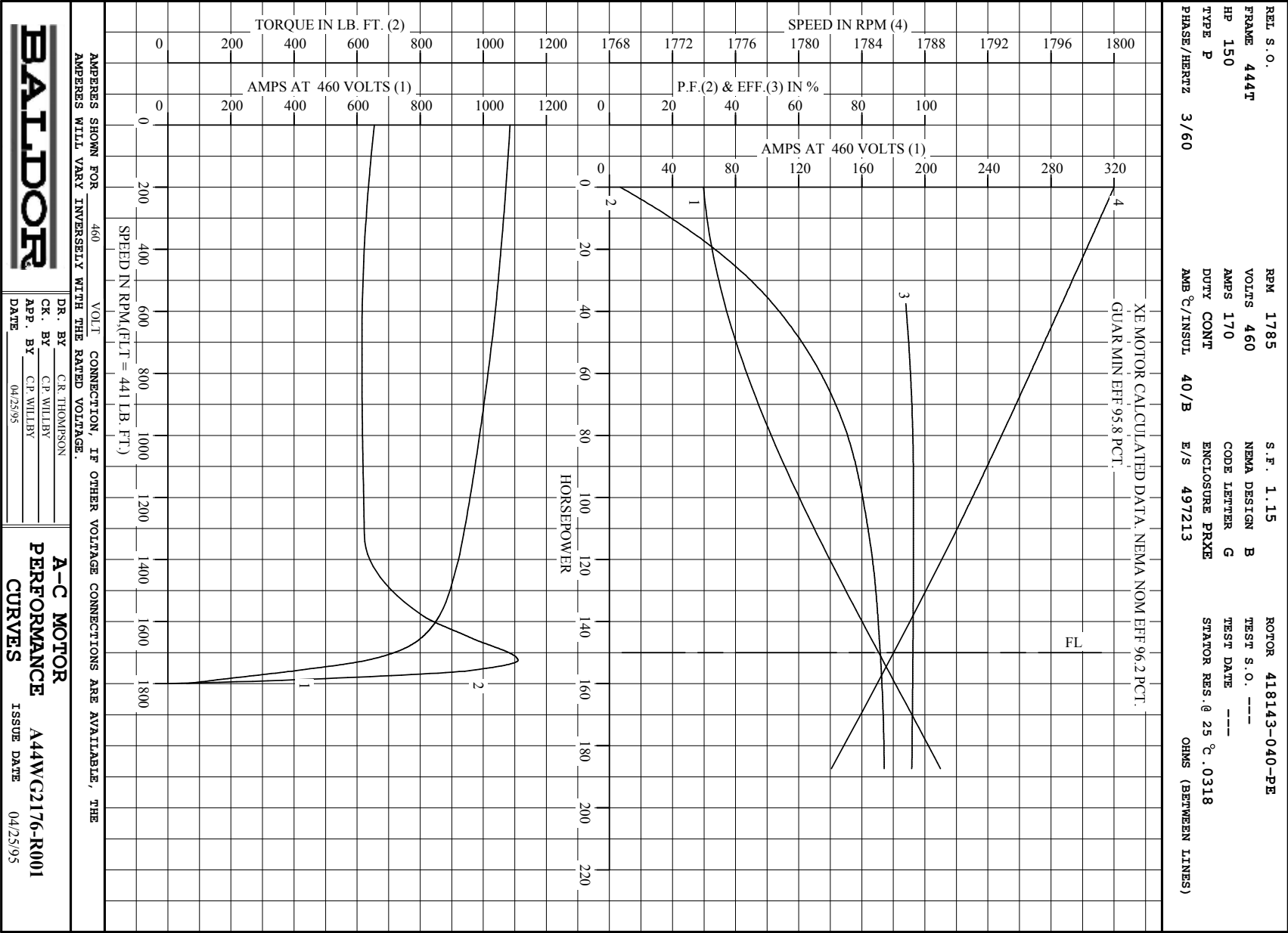
Number of Poles	4
Overall Length	39.71 IN
Power Factor	86
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

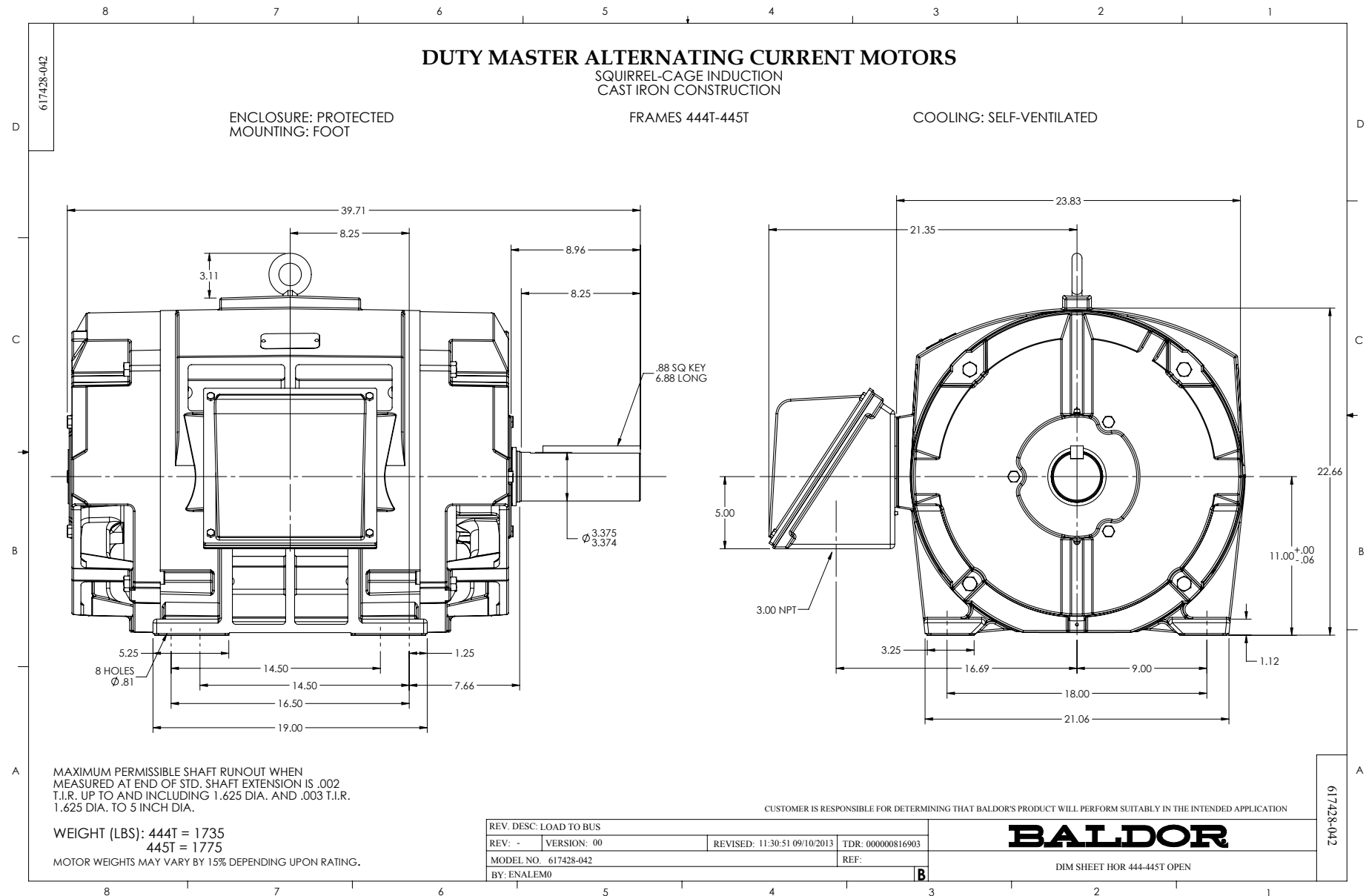
Nameplate

NP2377L

CAT.NO.	EM2558T-4				SPEC NO.		A44-0003-2176				
HP	150	AMPS	170			VOLTS	460		DESIGN	B	
FRAME	444T		RPM	1785	HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	90BC03J30X		PHASE		3	DUTY	CONT		INSUL.CLASS		F
OPP D.E. BEARING	90BC03J30X		TYPE		P	ENCL	DP	CODE	G		
SER.NO.			POWER FACTOR			86		NEMA-NOM-EFFICIENCY			96.2
						MAX CORR KVAR		30	GUARANTEED EFFICIENCY		95.4
						NEMA NOM/CSA QUOTED EFF					
						MOTOR WEIGHT					

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	444T	150	P	3/60	1785	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
170	CONT	40/B	1.15	B	G	PRIYE
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
497213	418143-040-PE	---	---	.0318		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	59.9	1800	3.40	0	
1/4	37.5	72.2	1797	51.8	94.0	
2/4	75.0	99.1	1793	73.7	96.1	
3/4	112	133	1790	82.3	96.4	
4/4	150	170	1786	85.9	96.2	
5/4	187	210	1782	87.1	95.9	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	148	655	1085	
PULL UP		720	139	615	1025	
BREAKDOWN		1725	252	1110	630	
FULL LOAD		1786	100	441	170	
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: XE MOTOR CALCULATED DATA. NEMA NOM EFF 96.2 PCT. GUAR MIN EFF 95.8 PCT.						
		DR. BY C.R. THOMPSON CK. BY C.P. WILBY APP. BY C.P. WILBY DATE 04/25/95		A-C MOTOR PERFORMANCE DATA A44WG2176-R001 ISSUE DATE 04/25/95		

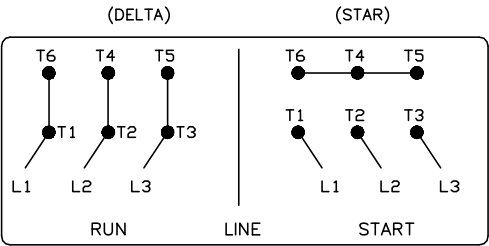
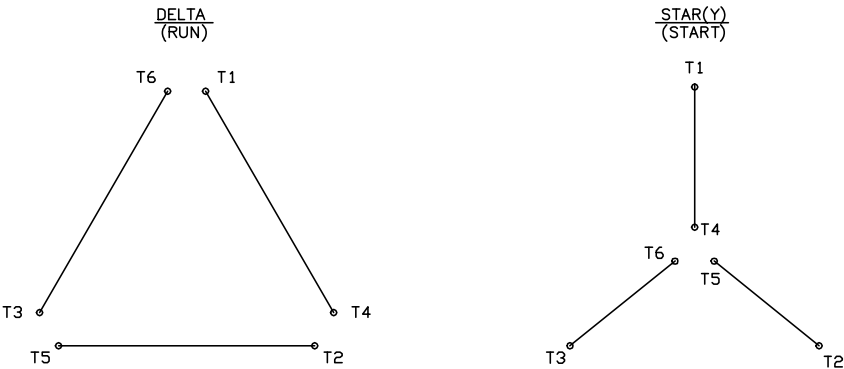




416820-008

A-C MOTOR
CONNECTION DIAGRAM

STANDARD 6 LEAD Y START – DELTA RUN



< N. P. 1767-DC >

REV. DESC: ADDED T4 TO Y CONNECT DIAGRAM		
REV. LTR: D	VERSION: 04	TDR: 000000847713
FILE: \RAG\00001\808	REVISED: 10: 41: 26 04/08/2014	BY: RAGJSS1
MTL: -	© □	

BALDOR

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN
SH 1 of 1

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